Duck Young Chung

List of Publications by Year
in descending order

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177	11,122	57758	31849
papers	citations	44 h-index	101 g-index

202	202	202	10738
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nontrivial Fermi surface topology of the kagome superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CsV</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> probed by de Haasâ€“van Alphen oscillations. Physical Review B, 2022, 105, .	3.7	20
2	Sensitivity and Detection Limit of Spectroscopicâ€Grade Perovskite CsPbBr₃ Crystal for Hard Xâ€Ray Detection. Advanced Functional Materials, 2022, 32, .	14.9	32
3	Superconducting properties of the spin Hall candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ta</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> with eightfold degeneracy. Physical Review B, 2022, 105, .	3.7	5
4	2D Homologous Series SrFM_nBiS_{n+2} (M = Pb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 Td (Ag Sr₂F₂Bi_{2/3}S₂. Inorganic Chemistry, 2022, 61, 8233-8240.	4.0	2
5	Multiple magnetic orders in LaFeAs1-xPxO uncover universality of iron-pnictide superconductors. Communications Physics, 2022, 5, .	5.3	5
6	CsPbBr3 perovskite detectors with 1.4% energy resolution for high-energy Î³-rays. Nature Photonics, 2021, 15, 36-42.	31.4	210
7	Demonstration of Energy-Resolved Î³-Ray Detection at Room Temperature by the CsPbCl₃ Perovskite Semiconductor. Journal of the American Chemical Society, 2021, 143, 2068-2077.	13.7	62
8	Inorganic Halide Perovskitoid TlPbI₃ for Ionizing Radiation Detection. Advanced Functional Materials, 2021, 31, 2006635.	14.9	16
9	Pressure-induced ferroelectric-like transition creates a polar metal in defect antiperovskites Hg3Te2X2 (Xâ€‰=â€‰Cl, Br). Nature Communications, 2021, 12, 1509.	12.8	14
10	Quasi-Two-Dimensional Heterostructures (KM_{1Ââ€“Âx}Te)(LaTe₃) (M = Mn and Zn) with Charge Density Waves. Chemistry of Materials, 2021, 33, 2155-2164.	6.7	2
11	Two-dimensional overdamped fluctuations of the soft perovskite lattice in CsPbBr3. Nature Materials, 2021, 20, 977-983.	27.5	89
12	Observing the Suppression of Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>RbEuFe</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> by Correlated Magnetic Fluctuations. Physical Review Letters, 2021, 126, 157001.	7.8	15
13	Local Distortions and Metalâ€“Semiconductorâ€“Metal Transition in Quasi-One-Dimensional Nanowire Compounds AV₃Q₃O_{Î´} (A = K, Rb, Cs and Q = Se, Te). Chemistry of Materials, 2021, 33, 2611-2623.	6.7	6
14	A Noncentrosymmetric Polymorph of LuRuGe. Inorganic Chemistry, 2021, 60, 7827-7833.	4.0	2
15	Employing the Dynamics of the Electrochemical Interface in Aqueous Zincâ€Ion Battery Cathodes. Advanced Functional Materials, 2021, 31, 2102135.	14.9	34
16	A two-dimensional type I superionic conductor. Nature Materials, 2021, 20, 1683-1688.	27.5	15
17	New Compounds and Phase Selection of Nickel Sulfides via Oxidation State Control in Molten Hydroxides. Journal of the American Chemical Society, 2021, 143, 13646-13654.	13.7	10
18	Superconductivity in Y₄RuGe₈ with a Vacancy-Ordered CeNiSi₂-Type Superstructure. Chemistry of Materials, 2021, 33, 7839-7847.	6.7	3

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19	Ultralow Thermal Conductivity, Multiband Electronic Structure and High Thermoelectric Figure of Merit in TlCuSe. Advanced Materials, 2021, 33, e2104908.	21.0	29
20	Extended Kohlerâ€™s Rule of Magnetoresistance. Physical Review X, 2021, 11, .	8.9	16
21	Magnetizing lead-free halide double perovskites. Science Advances, 2020, 6, .	10.3	56
22	The Subchalcogenides Ir₂In₈Q (Q = S, Se, Te): Dirac Semimetal Candidates with Re-entrant Structural Modulation. Journal of the American Chemical Society, 2020, 142, 6312-6323.	13.7	11
23	Cooperative response of magnetism and superconductivity in the magnetic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>RbEuF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physi	3.2	7
24	Pressure-Induced Superconductivity in the Wide-Band-Gap Semiconductor Cu2Br2Se6 with a Robust Framework. Chemistry of Materials, 2020, 32, 6237-6246.	6.7	6
25	Contrasting SnTeâ€“NaSbTe₂ and SnTeâ€“NaBiTe₂ Thermoelectric Alloys: High Performance Facilitated by Increased Cation Vacancies and Lattice Softening. Journal of the American Chemical Society, 2020, 142, 12524-12535.	13.7	51
26	Magnetic and superconducting anisotropy in Ni-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>RbEuFe</mml:mi><mml:mn>4</mml:mn></ single crystals. Physical Review B, 2020, 101, .	3.2	7
27	Study of Polycrystalline Bulk Sr3OsO6 Double-Perovskite Insulator: Comparison with 1000 K Ferromagnetic Epitaxial Films. Inorganic Chemistry, 2020, 59, 4049-4057.	4.0	9
28	Direct thermal neutron detection by the 2D semiconductor 6LiInP2Se6. Nature, 2020, 577, 346-349.	27.8	59
29	Evolution of nontrivial Fermi surface features in the band structures of the homologous members <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Pb</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Se</mml:mi><mml:mn>14</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml: Physic	3.2	3
30	KCu₇P₃: A Two-Dimensional Noncentrosymmetric Metallic Pnictide. Inorganic Chemistry, 2019, 58, 10201-10208.	4.0	5
31	Orbital-flop Induced Magnetoresistance Anisotropy in Rare Earth Monopnictide CeSb. Nature Communications, 2019, 10, 2875.	12.8	17
32	A New Three-Dimensional Subsulfide Ir₂In₈S with Dirac Semimetal Behavior. Journal of the American Chemical Society, 2019, 141, 19130-19137.	13.7	26
33	Melting of vortex lattice in the magnetic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>RbEuFe</mml:mi></mml:mrow><mml:mn>4</mml:mn> Physical Review B, 2019, 100, .	3.2	17
34	Unconventional Defects in a Quasi-One-Dimensional KMn₆Bi₅. Nano Letters, 2019, 19, 7476-7486.	9.1	6
35	Antiferromagnetic Semiconductor BaFMn_{0.5}Te with Unique Mn Ordering and Red Photoluminescence. Journal of the American Chemical Society, 2019, 141, 17421-17430.	13.7	10
36	Strongly fluctuating moments in the high-temperature magnetic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>RbEuFe</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	22

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37	Purification and Improved Nuclear Radiation Detection of Tl₆SI₄ Semiconductor. Crystal Growth and Design, 2019, 19, 4738-4744.	3.0	4
38	Self-induced magnetic flux structure in the magnetic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>RbEuFe</mml:mi><mml:mn>4</mml:mn></ml Physical Review B, 2019, 99, .	3.2	15
39	Controlling the Vapor Transport Crystal Growth of Hg₃Se₂I₂ Hard Radiation Detector Using Organic Polymer. Crystal Growth and Design, 2019, 19, 2074-2080.	3.0	7
40	Lattice Softening Significantly Reduces Thermal Conductivity and Leads to High Thermoelectric Efficiency. Advanced Materials, 2019, 31, e1900108.	21.0	171
41	Pressure-temperature phase diagram of the EuRbFe4As4 superconductor. Physical Review B, 2019, 99, .	3.2	10
42	A Natural 2D Heterostructure [Pb_{3.1}Sb_{0.9}S₄][Au_xTe_{2â€“x}] with Large Transverse Nonsaturating Negative Magnetoresistance and High Electron Mobility. Journal of the American Chemical Society, 2019, 141, 7544-7553.	13.7	8
43	ordered superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">RbEuFe</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">As</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2019, 100, .	3.2	15
44	Magnetization-governed magnetoresistance anisotropy in the topological semimetal CeBi. Physical Review B, 2019, 100, .	3.2	10
45	Perovskite CsPbBr3 single crystal detector for alpha-particle spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 922, 217-221.	1.6	83
46	High Hole Mobility and Nonsaturating Giant Magnetoresistance in the New 2D Metal NaCu4Se4 Synthesized by a Unique Pathway. Journal of the American Chemical Society, 2019, 141, 635-642.	13.7	14
47	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:mi mathvariant="normal">R</mml:mi><mml:msub><mml:mi Enormous electron-electron scattering in the filled-cage cubic compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>10</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>24</mml:mn></mml:msub><mml:mi	2.4	5
48		2.4	3
49	Unique [Mn₆Bi₅]^{â^'} Nanowires in KMn₆Bi₅: A Quasi-One-Dimensional Antiferromagnetic Metal. Journal of the American Chemical Society, 2018, 140, 4391-4400.	13.7	26
50	Single Crystal Growth and Study of the Ferromagnetic Superconductor RbEuFe₄As₄. Crystal Growth and Design, 2018, 18, 3517-3523.	3.0	37
51	High spectral resolution of gamma-rays at room temperature by perovskite CsPbBr3 single crystals. Nature Communications, 2018, 9, 1609.	12.8	381
52	Stoichiometric Effects on the Photoelectric Properties of LiInSe₂ Crystals for Neutron Detection. Crystal Growth and Design, 2018, 18, 2864-2870.	3.0	16
53	An Effective Purification Process for the Nuclear Radiation Detector Tl₆SeI₄. Crystal Growth and Design, 2018, 18, 3484-3493.	3.0	9
54	Pressure dependence of coherence-incoherence crossover behavior in KFe2As2 observed by resistivity and As75 -NMR/NQR. Physical Review B, 2018, 97, .	3.2	10

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55	Polycrystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn> Parametrized as a Narrow-Band-Gap Semiconductor for Thermoelectric Performance. Physical Review Applied, 2018, 9, .	3.8	26
56	Spin quenching assisted by a strongly anisotropic compression behavior in MnP. New Journal of Physics, 2018, 20, 023012.	2.9	5
57	Superconductivity in the 2â€Dimensional Homologous Series AM m Bi 3 Q 5+ m (m =1, 2) (A=Rb, Cs; M=Pb,) Tj ETQq1 1 0.784314 rg	3.3	2
58	Role of Anomalous Channeling on HAADF in a Quasi-ID KMn6Bis Structure. Microscopy and Microanalysis, 2018, 24, 1704-1705.	0.4	0
59	Heat capacity of Mg3Sb2, Mg3Bi2, and their alloys at high temperature. Materials Today Physics, 2018, 6, 83-88.	6.0	87
60	Anisotropic superconductivity and magnetism in single-crystal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>RbEuFe</mml:mi><mml:mn>4</mml:mn> Physical Review B, 2018, 98, .	3.2	36
61	Ag₂Se to KAg₃Se₂: Suppressing Orderâ€“Disorder Transitions via Reduced Dimensionality. Journal of the American Chemical Society, 2018, 140, 9193-9202.	13.7	14
62	Multistates and Polyamorphism in Phase-Change K₂Sb₈Se₁₃. Journal of the American Chemical Society, 2018, 140, 9261-9268.	13.7	12
63	Superconductivity and Structural Conversion with Na and K Doping of the Narrow-Gap Semiconductor CsBi₄Te₆. Chemistry of Materials, 2018, 30, 5293-5304.	6.7	8
64	Charge Density Wave in the New Polymorphs of RE₂Ru₃Ge₅ (RE = Pr, Sm, Dy). Journal of the American Chemical Society, 2017, 139, 4130-4143.	13.7	33
65	Observation of the magnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>4</mml:mn></mml:msub> phase in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2017, 95, .	3.2	25
66	Timeâ€Dependent Mechanical Response of APbX₃ (A = Cs, CH₃NH₃; X) Tj ETQq0 0 0 rgBT /Overl	21.0	65
67	Copper Vacancies and Heavy Holes in the Two-Dimensional Semiconductor KCu_{3â€“x}Se₂. Chemistry of Materials, 2017, 29, 6114-6121.	6.7	10
68	Reentrant metallic behavior in the Weyl semimetal NbP. Physical Review B, 2017, 96, .	3.2	5
69	Spectroscopic signature of moment-dependent electronâ€“phonon coupling in 2H-TaS₂. Journal of Materials Chemistry C, 2017, 5, 11310-11316.	5.5	17
70	Orbital selectivity causing anisotropy and particle-hole asymmetry in the charge density wave gap of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^’</mml Physical Review B, 2017, 96, .	3.2	18
71	Separation of electron and hole dynamics in the semimetal LaSb. Physical Review B, 2017, 96, .	3.2	37
72	Charge Density Wave and Narrow Energy Gap at Room Temperature in 2D Pb_{3â€“x}Sb_{1+x}S₄Te_{2â^Î´} with Square Te Sheets. Journal of the American Chemical Society, 2017, 139, 11271-11276.	13.7	11

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73	Flux Crystal Growth of the RE₂Ru₃Ge₅ (RE = La, Ce,) Tj ETQq1 1 0.784314 rgBT /O 14584-14595.	4.0	14
74	Semiconducting Ba₃Sn₃Sb₄ and Metallic Ba_{7â€“x}Sn₁₁Sb_{15â€“y} (x = 0.4, y = 0.6) Zintl Phases. Inorganic Chemistry, 2017, 56, 14251-14259.	4.0	3
75	Spectroscopic evidence for temperature-dependent convergence of light- and heavy-hole valence bands of PbQ (Q = Te, Se, S). Europhysics Letters, 2017, 117, 27006.	2.0	11
76	Mixed-Valent NaCu₄Se₃: A Two-Dimensional Metal. Inorganic Chemistry, 2016, 55, 4884-4890.	4.0	17
77	Mercury Chalcohalide Semiconductor Hg₃Se₂Br₂ for Hard Radiation Detection. Crystal Growth and Design, 2016, 16, 6446-6453.	3.0	15
78	From complex magnetism ordering to simple ferromagnetism in two-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LaCrS</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>by hole doping. Physical Review B, 2016, 94, .	3.2	2
79	Refined Synthesis and Crystal Growth of Pb₂P₂Se₆ for Hard Radiation Detectors. Crystal Growth and Design, 2016, 16, 5100-5109.	3.0	12
80	Hybridization Gap in the Semiconducting Compound SrIr4In2Ge4. Inorganic Chemistry, 2016, 55, 12477-12481.	4.0	2
81	Magnetic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NiS</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: Physical Review B, 2016, 93, .	3.2	19
82	Detailed magnetic and structural analysis mapping a robust magnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:math>Physical Review B, 2016, 93, .	3.2	34
83	Superconductivity in the Narrow Gap Semiconductor RbBi_{11/3}Te₆. Journal of the American Chemical Society, 2016, 138, 14694-14698.	13.7	29
84	Double-Q spin-density wave in iron arsenideÂsuperconductors. Nature Physics, 2016, 12, 493-498.	16.7	101
85	La_{1â€“x}Bi_{1+x}S₃ (x â‰ˆ 0.08): An n-Type Semiconductor. Inorganic Chemistry, 2016, 55, 3547-3552.	4.0	7
86	An Unusual Crystal Growth Method of the Chalcohalide Semiconductor, Î²-Hg₃S₂Cl₂: A New Candidate for Hard Radiation Detection. Crystal Growth and Design, 2016, 16, 2678-2684.	3.0	16
87	Metallic Borides, La₂Re₃B₇ and La₃Re₂B₅, Featuring Extensive Boronâ€“Boron Bonding. Inorganic Chemistry, 2016, 55, 1664-1673.	4.0	8
88	Synthesis, Structure, and Complex Magnetism of MIr₂In₈ (M = Eu, Sr). Inorganic Chemistry, 2016, 55, 3128-3135.	4.0	14
89	Antiferromagnetic Kondo lattice in the layered compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">CePd</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>and comparison to the superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">PdBi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:math>	3.2	12
90	Cesium vacancy ordering in phase-separated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^’</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>	3.2	6

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91	Tetragonal magnetic phase in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mrow><mml:mn>1</mml:mn> mathvariant="normal">K</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>2</mml:mn></mml:msub> x-ray and neutron diffraction. Physical Review B, 2015, 92, .	3.7	52
92	Flux Crystal Growth of the Ternary Polygermanide LaPtGe₂, a pâ€Type Metal. European Journal of Inorganic Chemistry, 2015, 2015, 2164-2172.	2.0	10
93	Crystal Growth, Structures, and Properties of the Complex Borides, LaOs₂Al₂B and La₂Os₂AlB₂. Inorganic Chemistry, 2015, 54, 8049-8057.	4.0	7
94	Two-Dimensional Mineral [Pb2BiS3][AuTe2]: High-Mobility Charge Carriers in Single-Atom-Thick Layers. Journal of the American Chemical Society, 2015, 137, 2311-2317.	13.7	14
95	TlHgInS₃: An Indirect-Band-Gap Semiconductor with X-ray Photoconductivity Response. Chemistry of Materials, 2015, 27, 5417-5424.	6.7	17
96	(CaO)(FeSe): A Layered Wide-Gap Oxychalcogenide Semiconductor. Chemistry of Materials, 2015, 27, 5695-5701.	6.7	12
97	Tuning the Magnetic Properties of New Layered Iron Chalcogenides (BaF)₂Fe_{2â€“x}Q₃ (Q = S, Se) by Changing the Defect Concentration on the Iron Sublattice. Chemistry of Materials, 2015, 27, 3280-3290.	6.7	31
98	In situ studies of a platform for metastable inorganic crystal growth and materials discovery. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10922-10927.	7.1	118
99	Low lattice thermal conductivity in Pb₅Bi₆Se₁₄, Pb₃Bi₂S₆, and PbBi₂S₄: promising thermoelectric materials in the cannizzarite, lillianite, and galenobismuthite homologous series. Journal of Materials Chemistry A, 2014, 2, 20048-20058.	10.3	59
100	Dirac fermions and superconductivity in the homologous structures<mml:math		

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109	Superconductivity in the Narrow-Gap Semiconductor CsBi4Te6. Journal of the American Chemical Society, 2013, 135, 14540-14543.	13.7	45
110	Mercury Bismuth Chalcohalides, Hg₃Q₂Bi₂Cl₈ (Q = S,) Tj ETQq0 0 0 rgBT /Overlock 2013, 52, 2973-2979.	4.0	19
111	Crystal Growth of the Perovskite Semiconductor CsPbBr₃: A New Material for High-Energy Radiation Detection. Crystal Growth and Design, 2013, 13, 2722-2727.	3.0	1,234
112	High-Performance Tellurium-Free Thermoelectrics: All-Scale Hierarchical Structuring of p-Type PbSeâ€“MSe Systems (M = Ca, Sr, Ba). Journal of the American Chemical Society, 2013, 135, 5152-5160.	13.7	135
113	NaBa2Cu3S5: A Doped p-Type Degenerate Semiconductor. Inorganic Chemistry, 2013, 52, 7210-7217.	4.0	16
114	Controlling Metallurgical Phase Separation Reactions of the Ge_{0.87}Pb_{0.13}Te Alloy for High Thermoelectric Performance. Advanced Energy Materials, 2013, 3, 815-820.	19.5	202
115	Photoconductivity in the Chalcohalide Semiconductor, SbSeI: a New Candidate for Hard Radiation Detection. Inorganic Chemistry, 2013, 52, 7045-7050.	4.0	55
116	Chemical ordering rather than random alloying in SbAs. Physical Review B, 2013, 87, .	3.2	14
117	Heat capacity jump atTcand pressure derivatives of superconducting transition temperature in the Ba1â^'xKxFe2As2(0.2â‰¤xâ‰¤1.0) series. Physical Review B, 2013, 87, .	3.2	36
118	Superconductivity and strong intrinsic defects in LaPd<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	3.2	31
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